

INTERNATIONAL SEARCH REPORT

International	ation No
PCT/IB 03/05281	

A. CLASSIFICATION OF SUBJECT MATTER			
IPC 7	C30B25/02	C30B29/04	G02F1/21

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7	C30B	G02F
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 03 052177 A (ELEMENT SIX LTD ;HOOPER ANTHONY ROBERT LLOYD (ZA)) 26 June 2003 (2003-06-26) claims 31,35-40 ---	1-66, 68-70,75
A	WO 01 96634 A (COOPER ANDREW MICHAEL ;TWITCHEN DANIEL JAMES (GB); WHITEHEAD ANDRE) 20 December 2001 (2001-12-20) the whole document ---	1-77
A	WO 01 96633 A (TWITCHEN DANIEL JAMES ;WHITEHEAD ANDREW JOHN (GB); COLLINS JOHN LL) 20 December 2001 (2001-12-20) the whole document ---	1-77 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the International search report
18 March 2004	25/03/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx: 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Cook, S

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International / PCT/IB	Application No 03/05281
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category :	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SAMLENSKI R ET AL: "INCORPORATION OF NITROGEN IN CHEMICAL VAPOR DEPOSITION DIAMOND" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, US, vol. 67, no. 19, 6 November 1995 (1995-11-06), pages 2798-2800, XP000544224 ISSN: 0003-6951 the whole document	62
A	US 5 625 638 A (TROST DAVID) 29 April 1997 (1997-04-29) column 4, line 19 - line 31	1,76

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